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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
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| 10/010,403 | 12/07/2001 | Gregory S. Bower | 65783-0009 | 4474 |
| 10291 7590 11/29/2007 RADER, FISHMAN & GRAUER PLLC 39533 WOODWARD AVENUE SUITE 140 BLOOMFIELD HILLS, MI 48304-0610 | | | EXAMINER NGUYEN BA, HOANG VU A | |
| | | | ART UNIT 2623 | PAPER NUMBER |
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

**Advisory Action
Before the Filing of an Appeal Brief**

Application No.

10/010,403

Applicant(s)

BOWER ET AL.

Examiner

Hoang-Vu A. Nguyen-Ba

Art Unit

2623

--The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

THE REPLY FILED 14 November 2007 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE.

1. ☒ The reply was filed after a final rejection, but prior to or on the same day as filing a Notice of Appeal. To avoid abandonment of this application, applicant must timely file one of the following replies: (1) an amendment, affidavit, or other evidence, which places the application in condition for allowance; (2) a Notice of Appeal (with appeal fee) in compliance with 37 CFR 41.31; or (3) a Request for Continued Examination (RCE) in compliance with 37 CFR 1.114. The reply must be filed within one of the following time periods:

- a) ☐ The period for reply expires _____ months from the mailing date of the final rejection.
b) ☒ The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.

Examiner Note: If box 1 is checked, check either box (a) or (b). ONLY CHECK BOX (b) WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

NOTICE OF APPEAL

2. ☐ The Notice of Appeal was filed on _____. A brief in compliance with 37 CFR 41.37 must be filed within two months of the date of filing the Notice of Appeal (37 CFR 41.37(a)), or any extension thereof (37 CFR 41.37(e)), to avoid dismissal of the appeal. Since a Notice of Appeal has been filed, any reply must be filed within the time period set forth in 37 CFR 41.37(a).

AMENDMENTS

3. ☐ The proposed amendment(s) filed after a final rejection, but prior to the date of filing a brief, will not be entered because
(a) ☐ They raise new issues that would require further consideration and/or search (see NOTE below);
(b) ☐ They raise the issue of new matter (see NOTE below);
(c) ☐ They are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or
(d) ☐ They present additional claims without canceling a corresponding number of finally rejected claims.

NOTE: _____. (See 37 CFR 1.116 and 41.33(a)).

4. ☐ The amendments are not in compliance with 37 CFR 1.121. See attached Notice of Non-Compliant Amendment (PTOL-324).
5. ☐ Applicant's reply has overcome the following rejection(s): _____.
6. ☐ Newly proposed or amended claim(s) _____ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).
7. ☒ For purposes of appeal, the proposed amendment(s): a) ☐ will not be entered, or b) ☒ will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended.
The status of the claim(s) is (or will be) as follows:
Claim(s) allowed: _____.
Claim(s) objected to: _____.
Claim(s) rejected: 1,2,4,5,7-18,20-25,27-29,31,32,34,36-40,42,44,45 and 47-50.
Claim(s) withdrawn from consideration: _____.

AFFIDAVIT OR OTHER EVIDENCE

8. ☐ The affidavit or other evidence filed after a final action, but before or on the date of filing a Notice of Appeal will not be entered because applicant failed to provide a showing of good and sufficient reasons why the affidavit or other evidence is necessary and was not earlier presented. See 37 CFR 1.116(e).
9. ☐ The affidavit or other evidence filed after the date of filing a Notice of Appeal, but prior to the date of filing a brief, will not be entered because the affidavit or other evidence failed to overcome all rejections under appeal and/or appellant fails to provide a showing a good and sufficient reasons why it is necessary and was not earlier presented. See 37 CFR 41.33(d)(1).
10. ☐ The affidavit or other evidence is entered. An explanation of the status of the claims after entry is below or attached.

REQUEST FOR RECONSIDERATION/OTHER

11. ☒ The request for reconsideration has been considered but does NOT place the application in condition for allowance because:
See Continuation Sheet.
12. ☐ Note the attached Information Disclosure Statement(s). (PTO/SB/08) Paper No(s). _____.
13. ☐ Other: _____.

Hoang-Vu Antony Nguyen-Ba

**ANTONY NGUYEN-BA
PRIMARY EXAMINER**

Hoang-Vu Antony Nguyen-Ba
Primary Examiner
Art Unit: 2623

Continuation of 11. does NOT place the application in condition for allowance because:

Claim 1:

1. one paired analog signal

in response to Applicant's argument that elements 120 and 122 in FIG. 1 of Wakai are clearly connected to the system interface unit. via RS-485 interface and that RS-485 interface does not teach one paired analog audio signal input and analog video signal input, the examiner has fully reconsidered Wakai and noted that the only location that describes elements 120 and 122 is 6:33-52; RS-485 is nowhere mentioned. Therefore, Applicants' argument is moot.

2. an analog-to-digital converter

Wakai's 6:33-50 appears to indicate that the system interface unit 118 and the overhead video monitors and audio system together provide an alternate and backup broadcast system which allows the airline flexibility in the design of the interior of the airplane's cabin and a backup system in the event of the video on demand entertainment system. Wakai further indicates that the system interface unit 118 is coupled to an audio preducer 120, which preferably includes a compact disk player. Note that the "a backup system in the event of the video on demand system" appears to suggest that should Wakai's video-on-demand system (digital as asserted by Applicants) system fail, a backup system that would receive analog inputs (one yellow-coded video and two red-and-white audio connectors) from compact disk player is provided. This teaching would make sense. Furthermore, it appears that at the time of Applicants' invention CD player that has digital video and audio output has not been sold on the market yet and CD player with analog outputs such as the yellow-coded video and red-and-white-coded audio outputs is still commonly sold on the market.

3. at least one connection to said digital data network...

in response to Applicants' assertion that Wakai teaches away from the above limitation, the examiner respectfully notes that if Applicants is aware of that Wakai teaches a backup system in case the video-on-demand system fails, then Applicants should also be aware that the objective of the backup system is to be able to broadcast a video program played by the external CD player, which is a sole source of audio+video, to the monitor at all passenger seats. In order to provide the video program to the seat monitor, it is necessary to have at least one connection to said digital data network for receiving an output of the digital data network and providing said output to an audiovisual output device which the seat monitor.

Claim 7

For features similar to those of claim 1, see discussion in Claim 1.

1. an optical disk drive...

a video disk player (122) is interpreted to include DVD player (<http://electronics.howstuffworks.com/dvd6.htm>, see "a laser and lens system" and analog output of DAC amplified by the AMP, the date of this html document is 2000-10-25 -- see bottom of source code of the html page -- to see the source code and date therein right click on the DVD player page and select "View Source").

Claims 15, 37 and 48

For features similar to those recited in Claim 1, see discussion related to Claim 1.

1. an IEEE 1394 bus connected to a digital video camera

The Office action cites portion 18:3 - 19:17 of Wakai to show that the teaching of a digital camera connected to IEEE1394 is suggested by Wakai because Wakai provides an IEEE 1394 network and devices can be added and removed from an IEEE 1394 (18:33-34) and that multicast distribution of data is used to deliver common data such as the live demonstrations by the flight attendants. If it is a live demonstration, there needs to be a camera to capture the live demonstration. And if there is an IEEE 1394 network to broadcast the live demonstration, then the camera has to be digital.

2. microcontroller for receiving user commands...

in response to Applicants' assertion that controller configured to control the camera is complete speculation, it is noted that the camera for capturing the live demonstration may not be in service continuously but only when there is a live demonstration; therefore, there needs to be commands to at least switch the camera on/off.

3. an interface for interfacing said IEEE 1394 port

see discussion in 1 related to Wakai's provision for a camera to be connected to the network.

Claim 24

See discussion in Claim 1 related to argued feature by Applicants.

Claims 31, 42 and 45

For features that are similar to those of Claim 7, see discussion in Claim 7

1. remotely controlling said optical drive....

it is noted that since said network does not have antecedent basis, the broadest and reasonable interpretation is given to the term network (see discussion in final Office action, response to arguments related to same limitation).

Claim 49 and 50

S-video is well-known in the art. Even if Applicants reject the use of Webopedia, Applicants have to admit that S-video is so commonly known in the art that official notice is taken. Other sources to provide information about S-video can be found by using Google

"define: S-video" feature or Howstuffworks (e.g., <http://electronics.howstuffworks.com/question542.htm>; this html document is dated 2001-01-03 -- see bottom of source code after selecting "View Source" after right-clicking on above-mentioned link).

See previous Office action for response to Applicants' arguments.

Claims 49 and 50

2. "a first, ... second, ...and fourth multiplex..."

in response to Applicants arguments that the detailed of multiplexed inputs connecting to specific outputs is clearly not taught or suggested in Wakai, it is noted that the motivation for combining multiplexers has been discussed in the final Office action. Since the function of a multiplexer is to combine several signal sources for transmission over a single medium and is taught by Wakai, then it would have been obvious to one of ordinary skill to add more multiplexers as needed in order to accommodate more inputs when there are only one output to the multiplexer (an analogy would be using power strips to allow more devices to get power from one wall power outlet).

In view of the foregoing discussion, the rejections of the claims are considered still proper and maintained.



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